

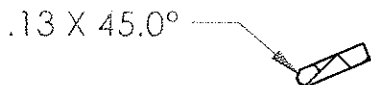
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: PR1		N/C
N/C	INITIAL RELEASE	06/10/09	P. BRAVO
A	INCORPORATED ECN 02960, 04676, 04743	11/17/14	P. BRAVO
B	INCORPORATED ECN 05331	02/29/16	P. BRAVO
C	INCORPORATED ECN 05344	03/15/16	P. BRAVO
D	INCORPORATED ECN 05551	11/01/16	P. BRAVO

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12
- 2 FINISH PER MPP-172 SECTION 2.1, 3.3 & 4.3, 1-2 MIL MAX
3. DEBURR AND BREAK ALL SHARP EDGES
4. IDENTIFY IAW MPP-120
- 5 APPLY F/N 5 AS REQUIRED TO ALL FAYING SURFACES OF F/N 2 & 3 UPON ASSY
- 6 MAKE FROM 647.1513

A
B
C
D



SECTION A-A

Ø.177
3PL

.30 X 23.0°

2.110 ±.002

R1.00

DETAIL B

4.220 ±.002

647.1510

.38

13.81

.70

.04 X 45.0°
2 PL

DETAIL C

.340 ±.000
-.002

R19.50

16.58

10.27

R.26

16.44

(13.74)

13.12

12.828

5.026

4.97

.310

0

13.46

11.503

11.13

6.689

6.51

5.40

1.856

0

B

A

A

Ø.177

54.9°

67.1°

R2.75

Ø.188

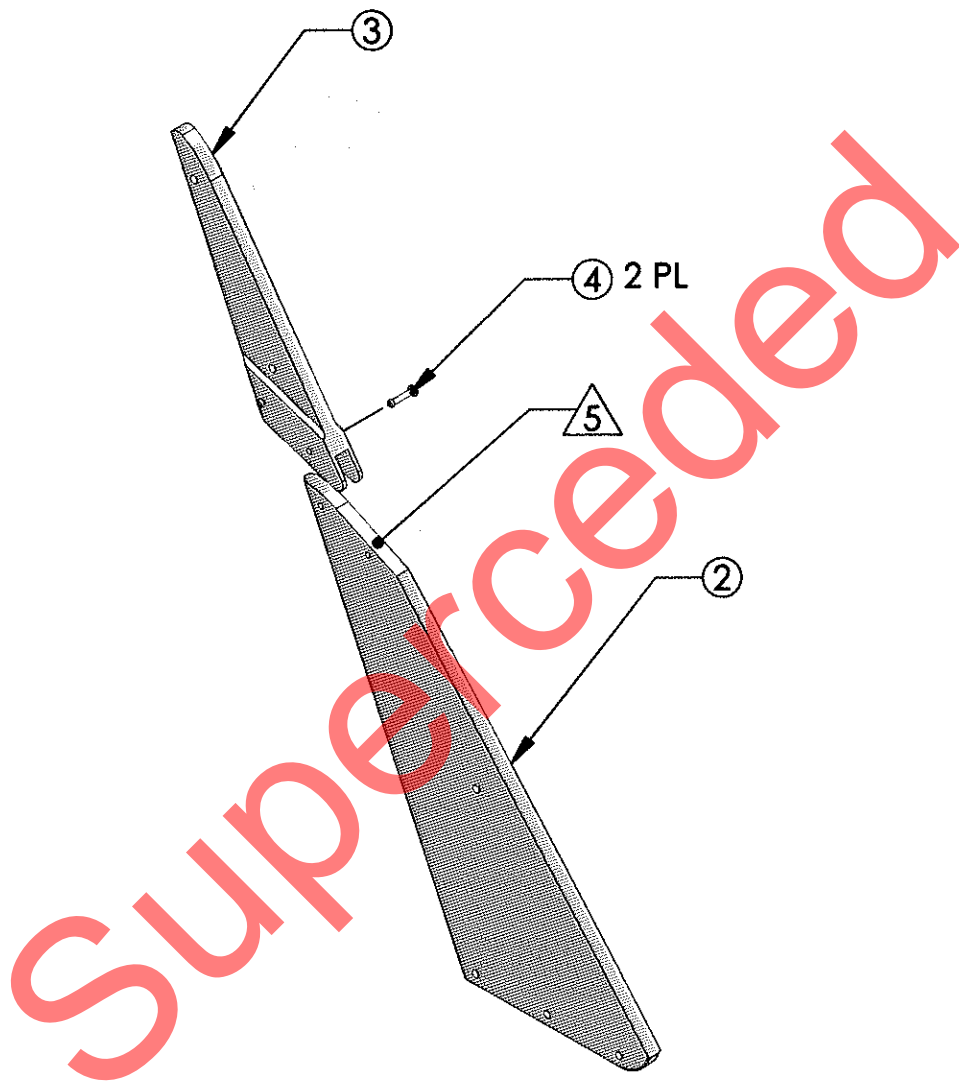
Superseded

		7	647.1514	UPPER DEFLECTOR	△	△
		6	647.1513	UPPER DEFLECTOR	△	△
	A/R	5	601.2045	RTV, LOCTITE 598		
	2	4	600.0523	RIVET	MS20470AD4-12	
	1	3	647.1512	BREAKAWAY TIP	△	△
	1	2	647.1511	LOWER DEFLECTOR	△	△
		1	647.1510	UPPER DEFLECTOR		△
	X		647.1501	LOWER DEFLECTOR ASSY		
	.1501	FIND #	PART #	DESCRIPTION	MATL	SPEC.

QTY		PARTS LIST			
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR)	06-10-09	DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE	
647.1400		DRAWN BY	J. GARDINER		
		CHECKER	P. BRAVO		
		DRAWING APPROVAL	P. BRAVO		
		CONTRACT NO.		DEFLECTORS	
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE	REV.
				B 07MZ6	D
				DWG. NO.	
				647.1500	
				SCALE NONE	SHEET 1 OF 7

1 2 3 4 5 6 7 8

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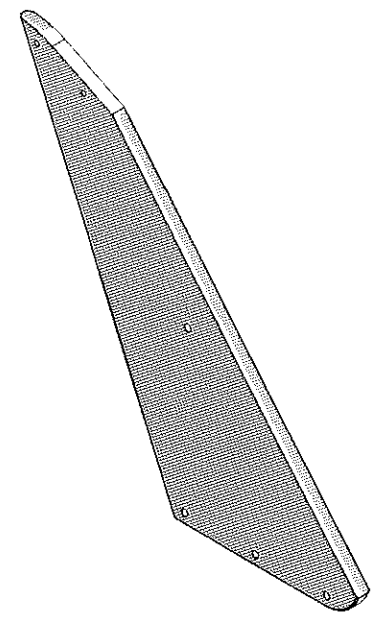
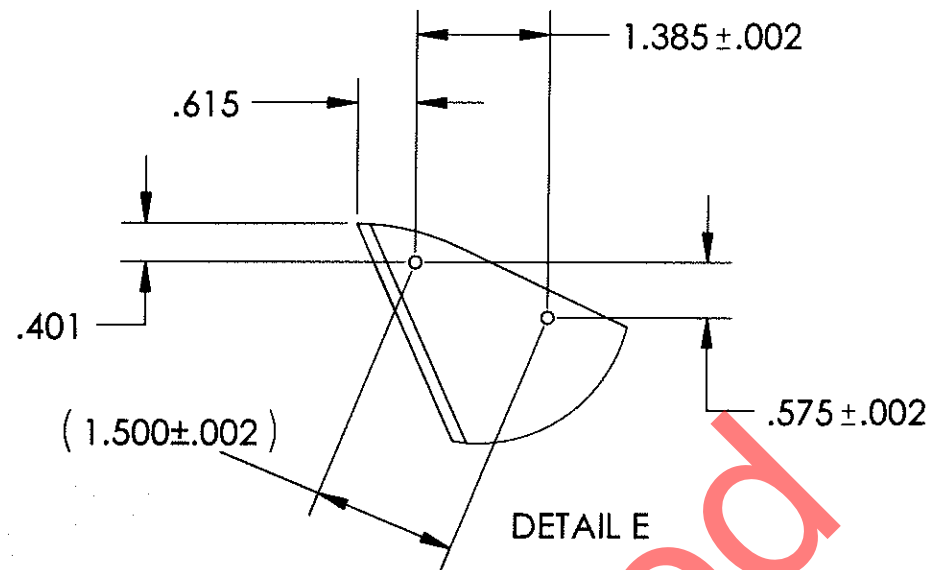
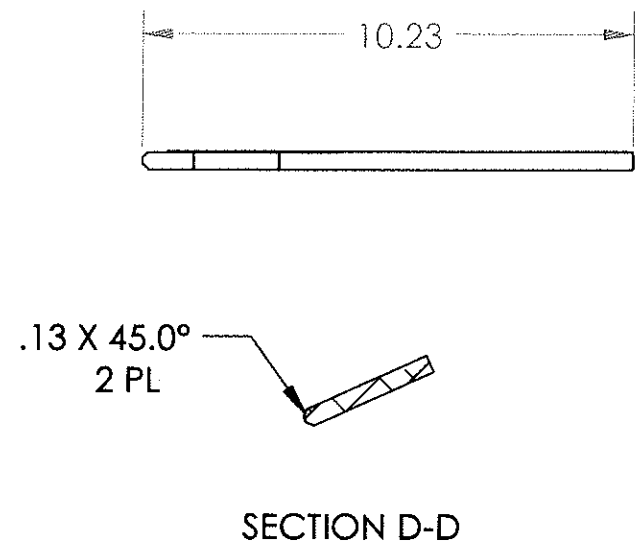


647.1501 SHOWN EXPLODED

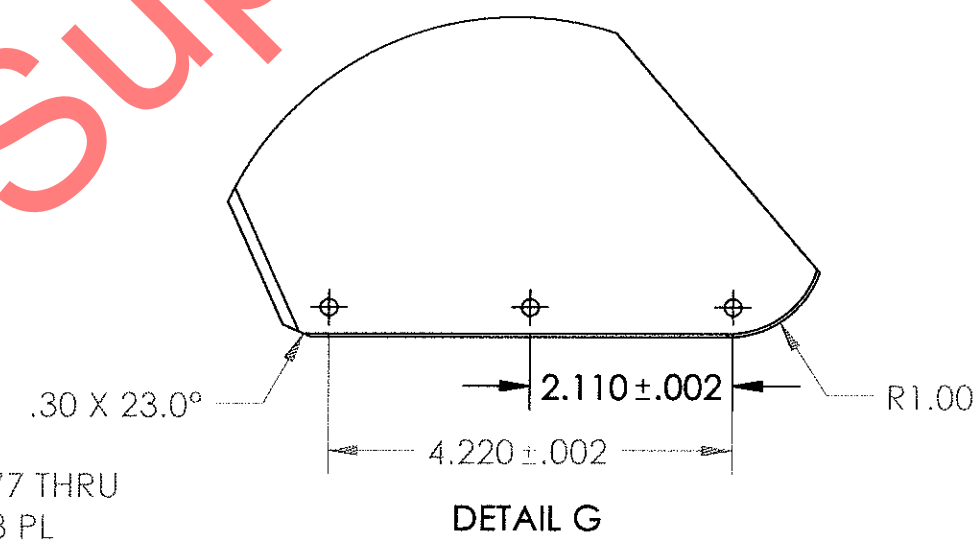
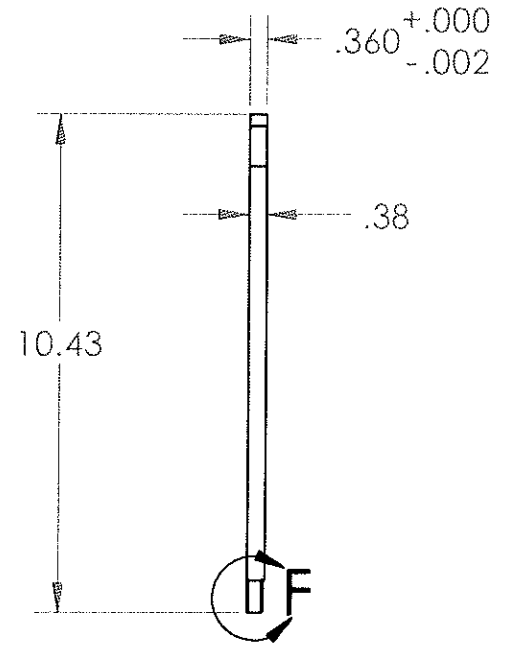
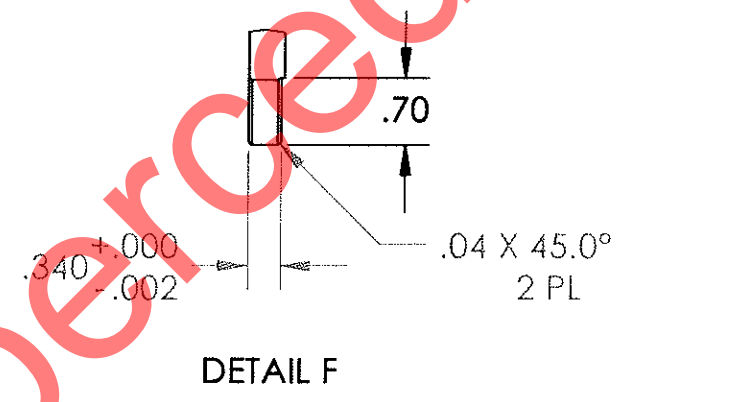
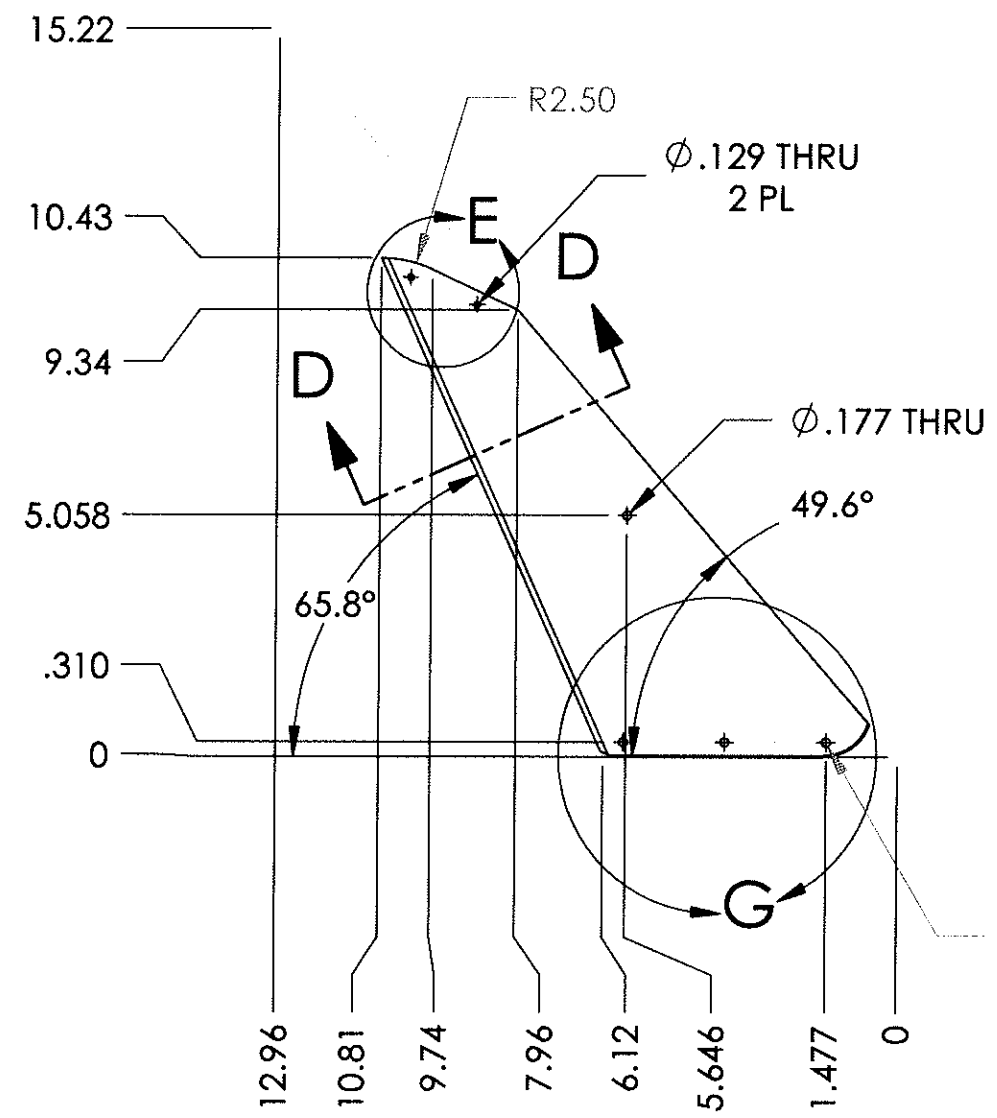
ORIGINAL DATE [MO-DA-YR] 06-10-09		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 APICAL INDUSTRIES, INC. dba DART AEROSPACE (760)-724-5300	
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 06-10-09		DEFLECTORS	
CONTRACT No.		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°	
SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.1500	REV. D
SCALE NONE		SHEET 2 OF 7	


1 2 3 4 5 6 7 8

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647.1511



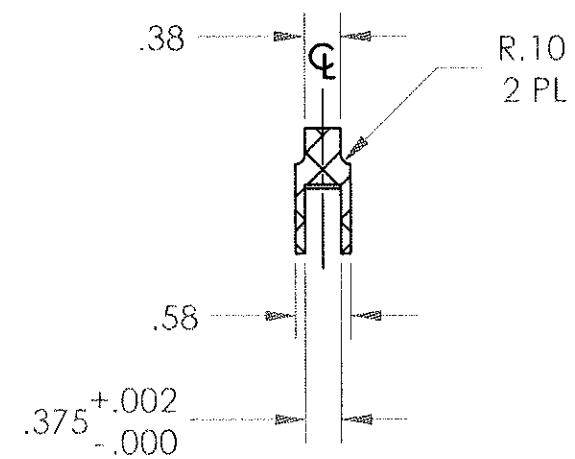
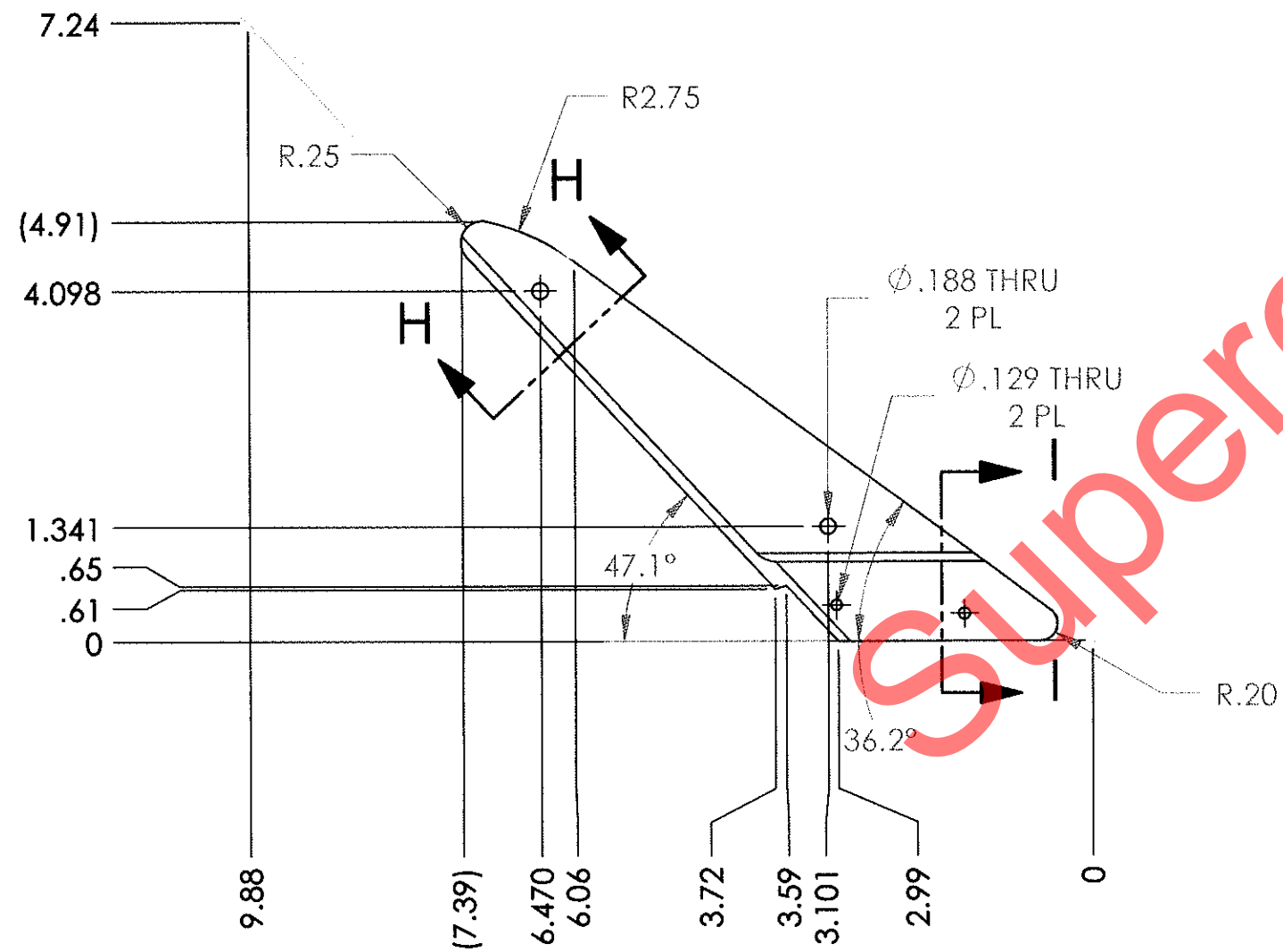
ORIGINAL DATE (MO-DA-YR) 06-10-09		 DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dbsg DART AEROSPACE			
DRAWN BY J. GARDINER	CHECKER P. BRAVO				
DRAWING APPROVAL P. BRAVO 06-10-09					
CONTRACT NO.		DEFLECTORS			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°					
SIZE B	CAGE CODE 07MZ6			DWG. NO. 647.1500	REV. D
SCALE NONE				SHEET 3 OF 7	

1 2 3 4 5 6 7 8

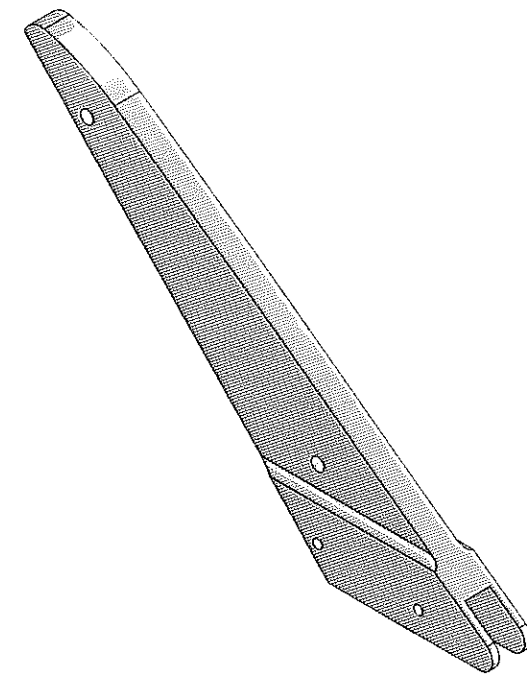
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.13 X 45.0°
2 PL

SECTION H-H



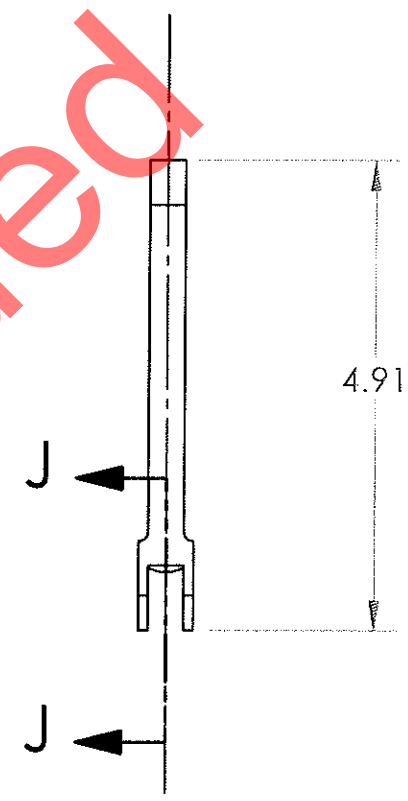
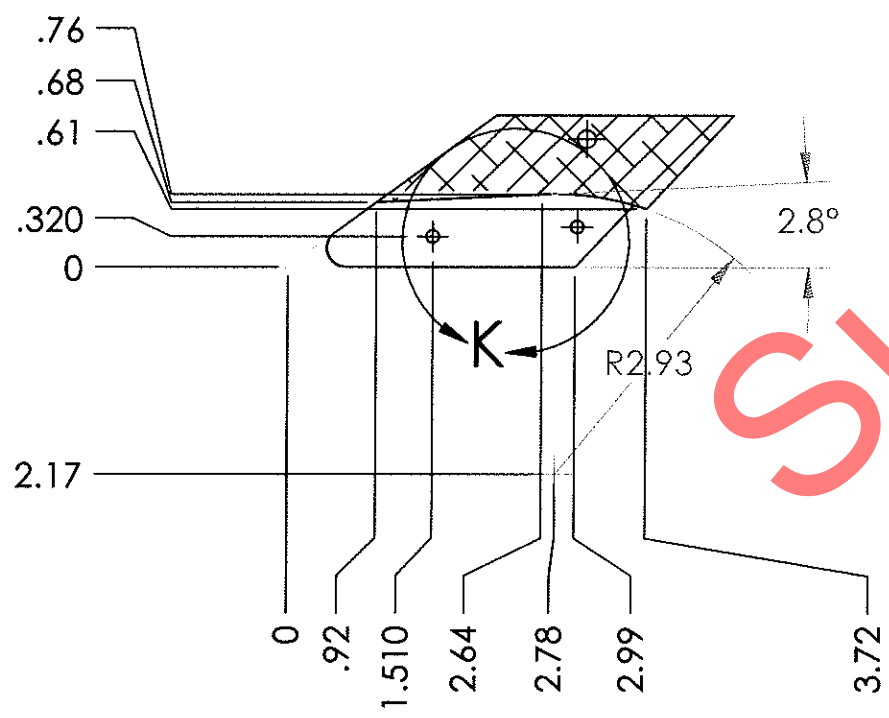
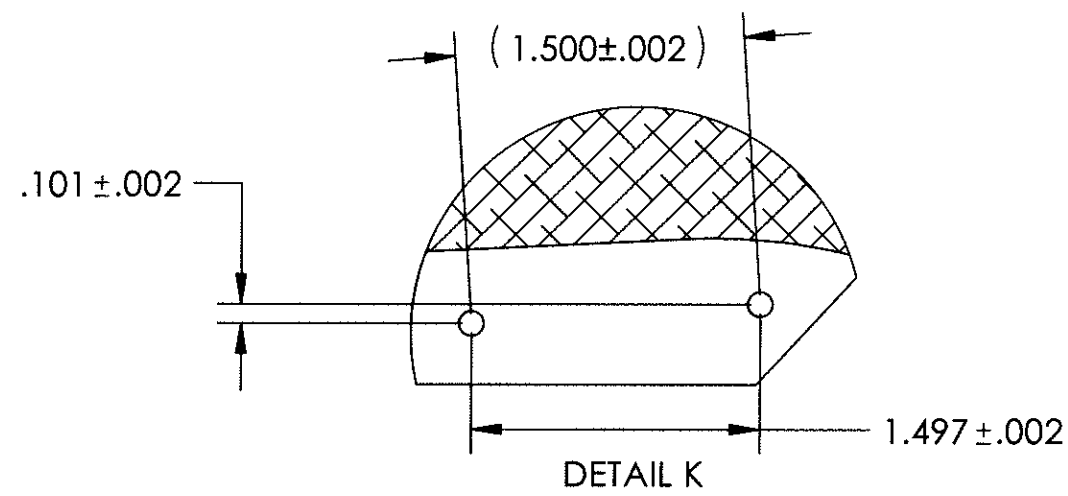
SECTION I-I



647.1512

ORIGINAL DATE (MO-DA-YR) 06-10-09		DART 3030 ENTERPRISE CT., AEROSPACE SUITE A VISTA, CA. 92081 APICAL INDUSTRIES, INC. dba DART AEROSPACE (760)-724-5300	
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 06-10-09		DEFLECTORS	
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. D
		CAGE CODE 07M26	DWG. NO. 647.1500
		SCALE NONE	SHEET 4 OF 7

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647.1512 RIGHT VIEW

ORIGINAL DATE (MO-DA-YR) 06-10-09		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. DBA DART AEROSPACE			
DRAWN BY J. GARDNER	CHECKER P. BRAVO				
DRAWING APPROVAL P. BRAVO 06-10-09					
CONTRACT No.		DEFLECTORS			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B	CAGE CODE 07M26	DWG. NO. 647.1500	REV. D
		SCALE NONE		SHEET 5 OF 7	

1 2 3 4 5 6 7 8

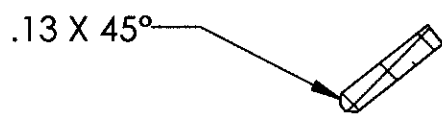
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A

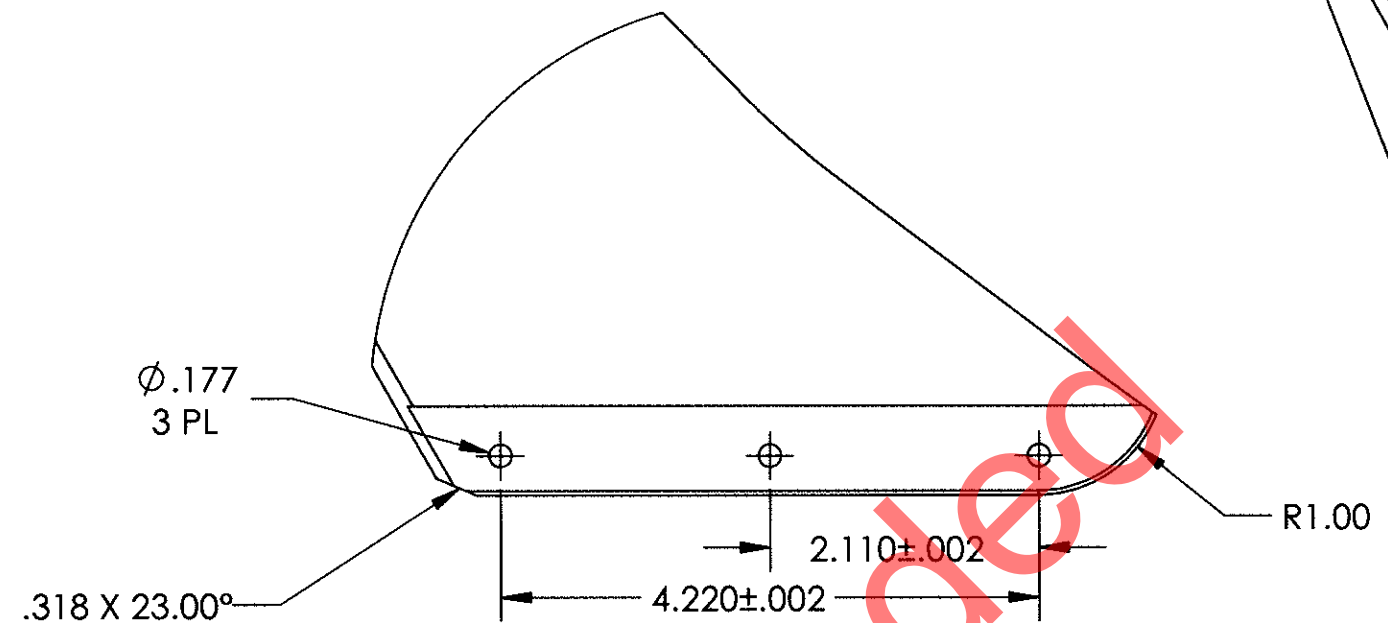
B

C

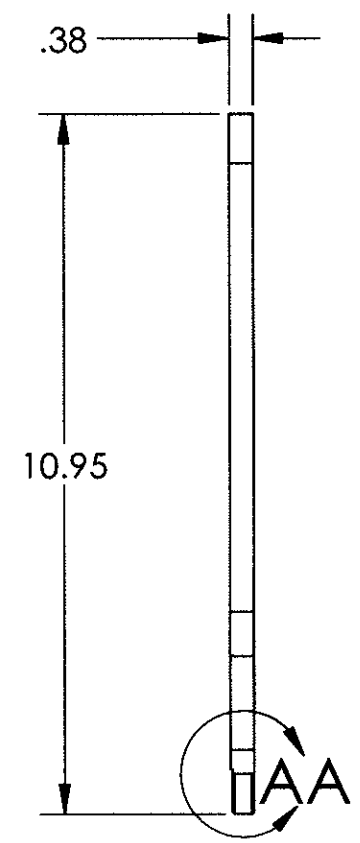
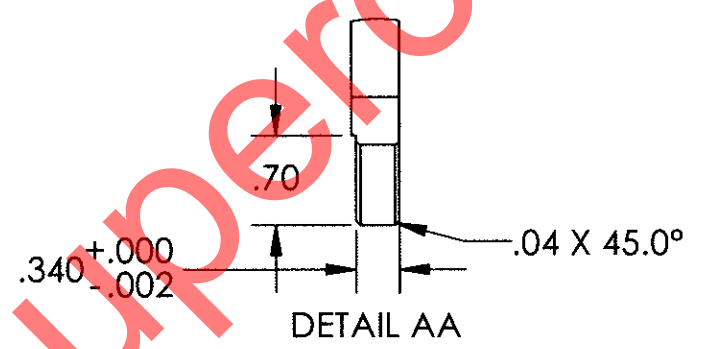
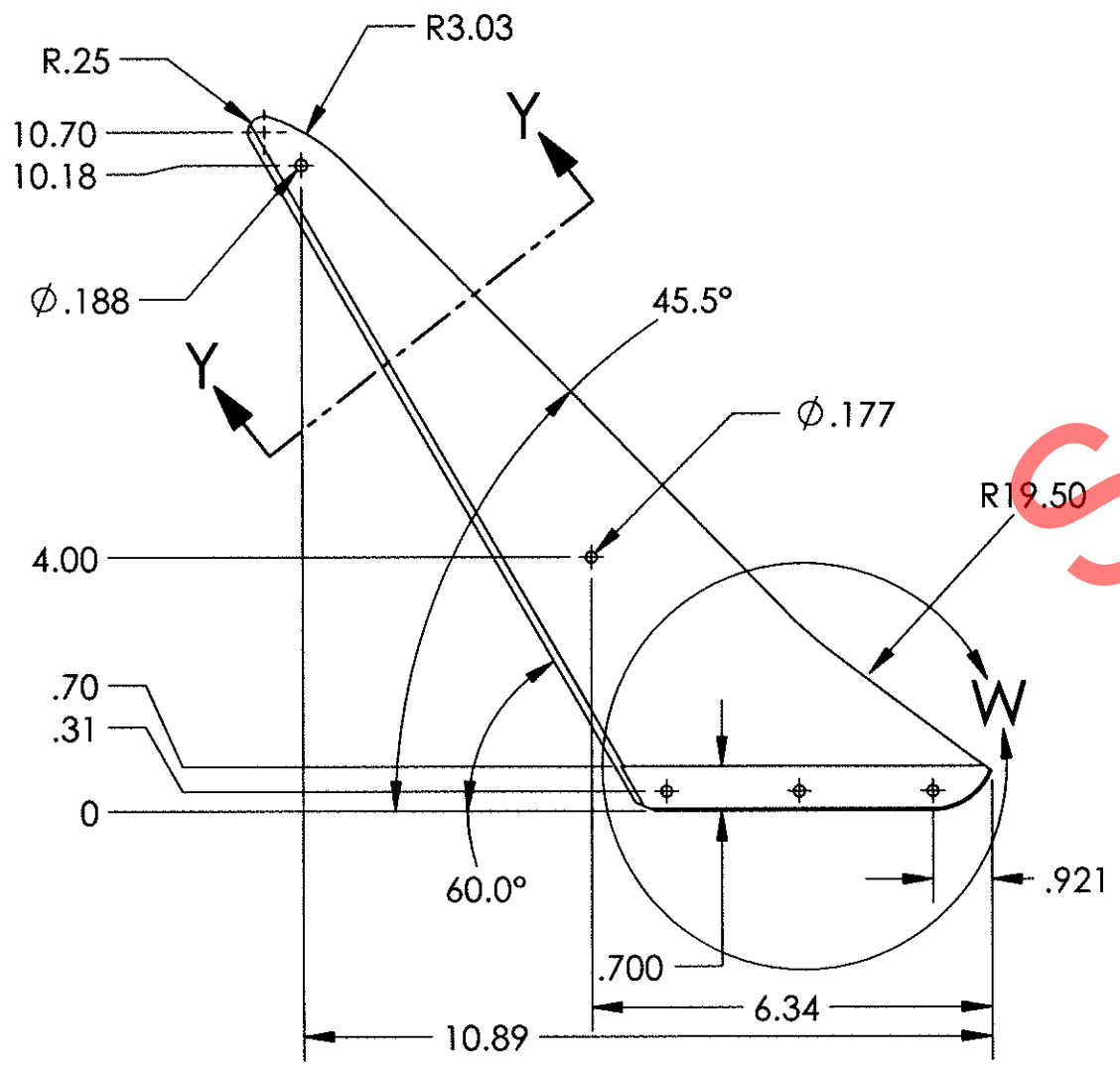
D



SECTION Y-Y



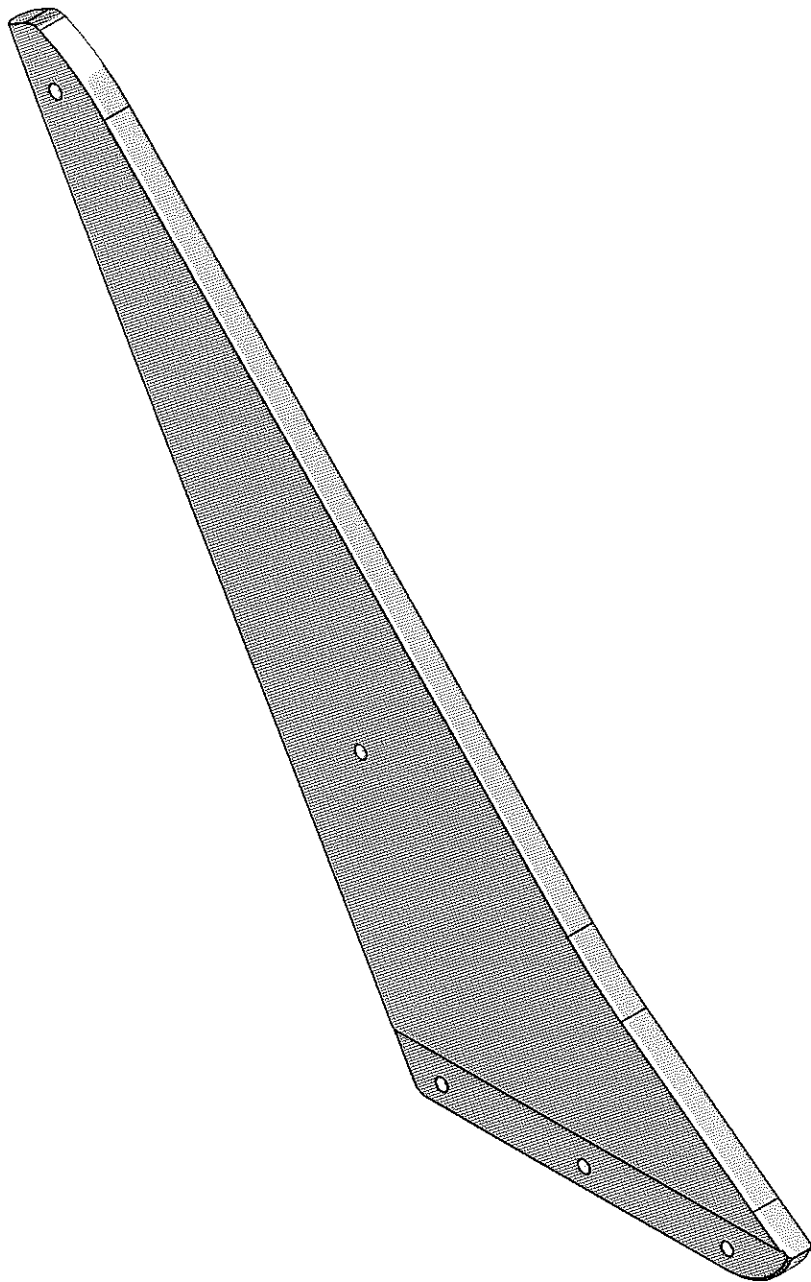
DETAIL W




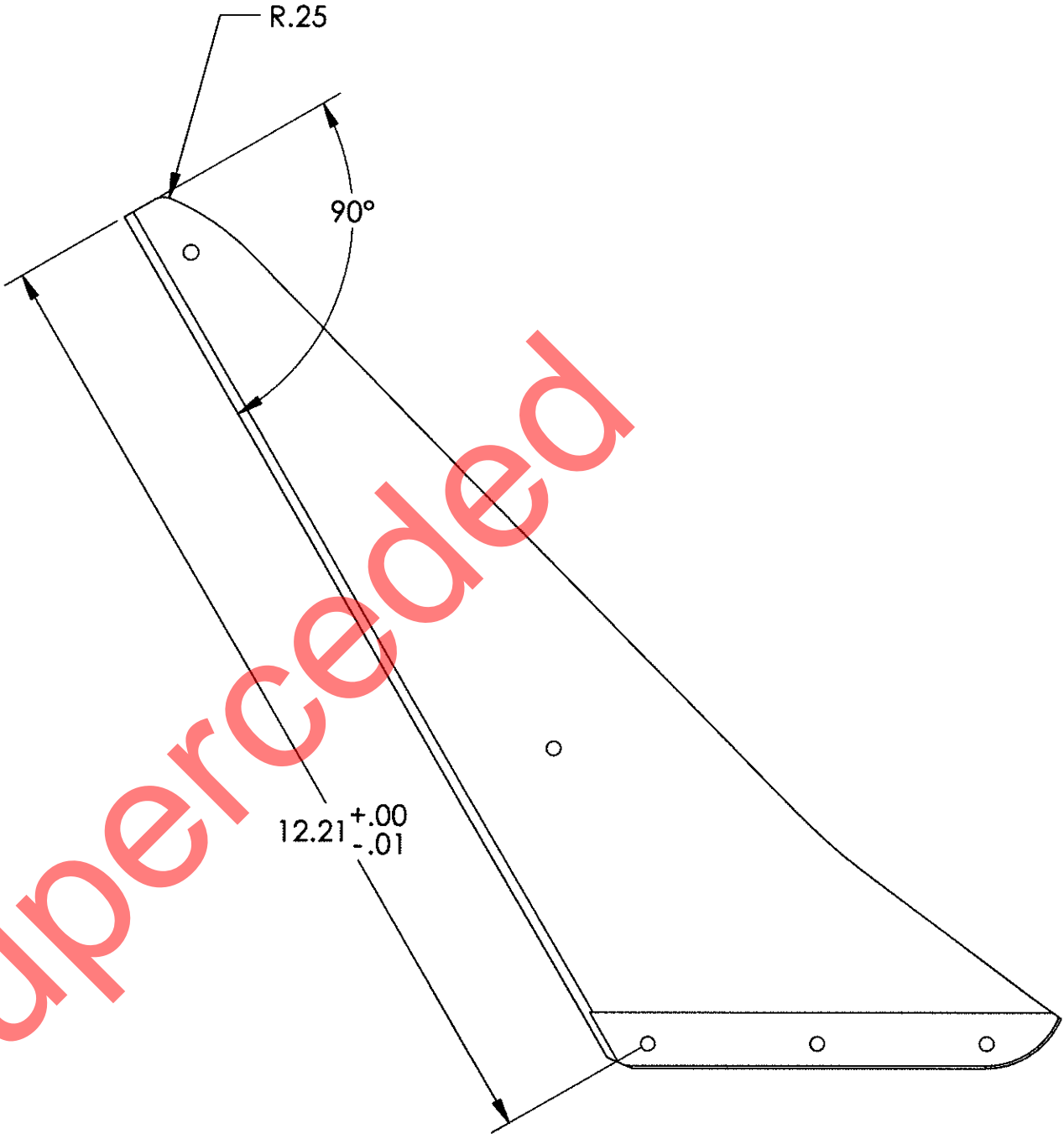
ORIGINAL DATE [MO-DA-YR] 06-10-09		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA, 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE			
DRAWN BY J. GARDNER	CHECKER P. BRAVO				
DRAWING APPROVAL P. BRAVO 06-10-09					
CONTRACT No.		DEFLECTORS			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.1500	REV. D
SCALE NONE		SHEET 6 OF 7			


1 2 3 4 5 6 7 8

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647.1514 



ORIGINAL DATE (MO-DA-YR) 06-10-09		 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE	
DRAWN BY J. GARDNER			
CHECKER P. BRAVO		DWG. NO. 647.1500	
DRAWING APPROVAL P. BRAVO 06-10-09		REV. D	
CONTRACT No.		SCALE NONE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SHEET 7 OF 7	